Network" by Goodman et al.

Serial No.: 09/960,227

Atty Docket No.: ASX-055

Sheet 1 of 19

1/19

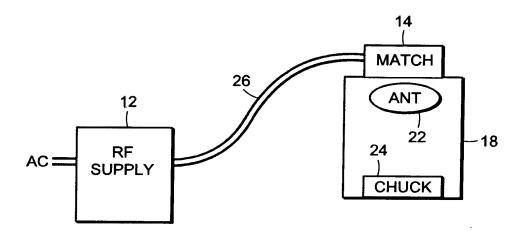


FIG. 1A **PRIOR ART**

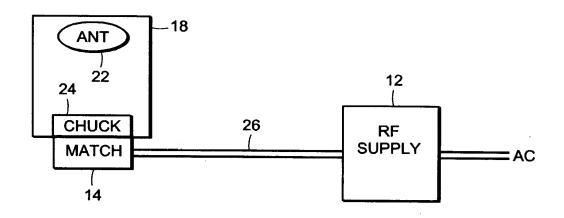


FIG. 1B **PRIOR ART**

"RF Power Supply With Integrated Matching Network" by Goodman et al. Serial No.: 09/960,227

Atty Docket No.: ASX-055 Sheet 2 of 19

Jamie H. Rose (617) 248-7376

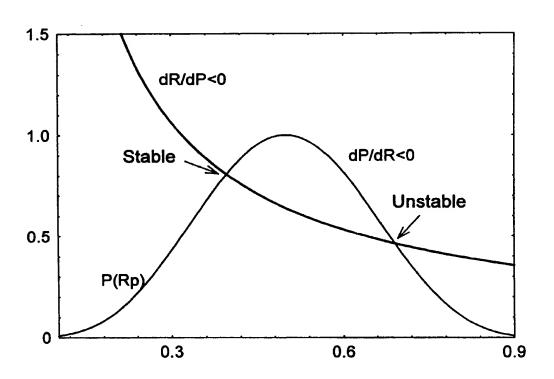


FIG. 2

"RF Power Supply With Integrated Matching

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 3 of 19

Jamie H. Rose (617) 248-7376

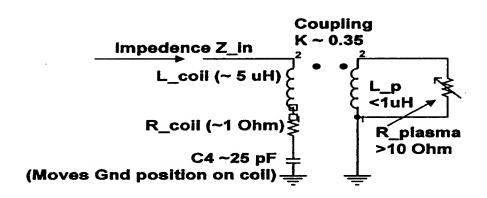


FIG. 3A

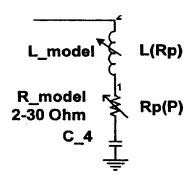


FIG. 3B

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 4 of 19 Jamie H. Rose (617) 248-7376 4/19 3 INCREASING POWER __ POWER (400W) RESISTANCE (OHMS) FIG. 4 REQUIRES FEEDBACK STABLE

> INDUCTIVE REACTANCE (OHMS) 420

410

400

390

430

440

(100W)

460

450

ici i ower suppry with micgrated infatching

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 5 of 19 Jamie H. Rose (617) 248-7376

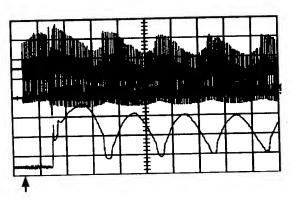


FIG. 5

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Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 6 of 19

6/19

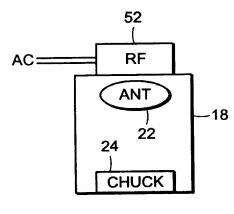


FIG. 6A

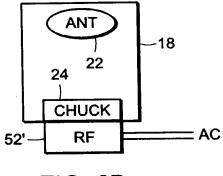
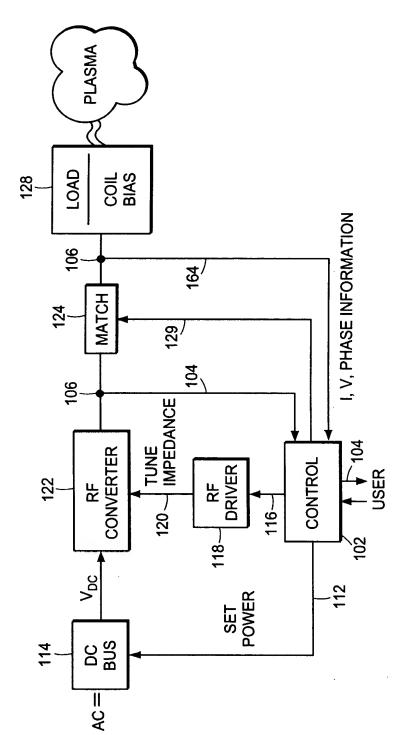


FIG. 6B

"RF Power Supply With Integrated Matching Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 7 of 19

100

7/19



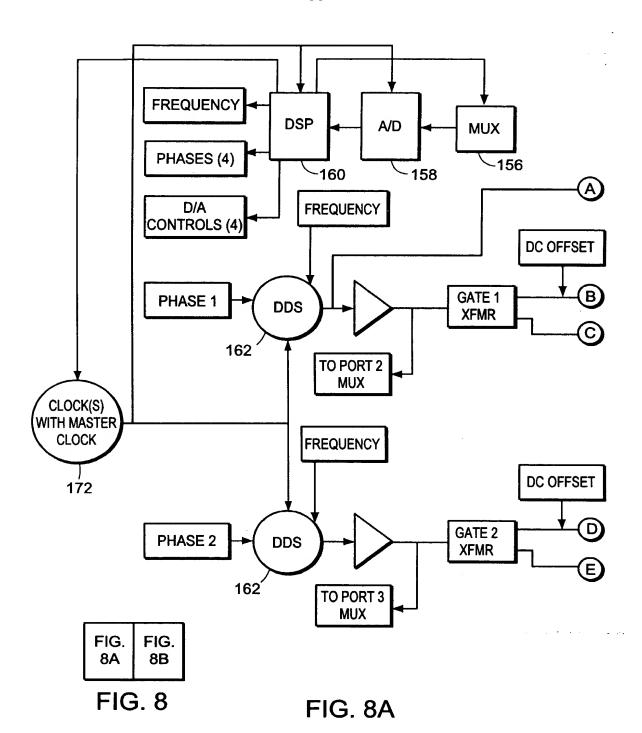
"KI Power Supply With Integrated Matching

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 8 of 19

8/19

150



"RF Power Supply With Integrated Matching Network" by Goodman et al.

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 9 of 19

9/19

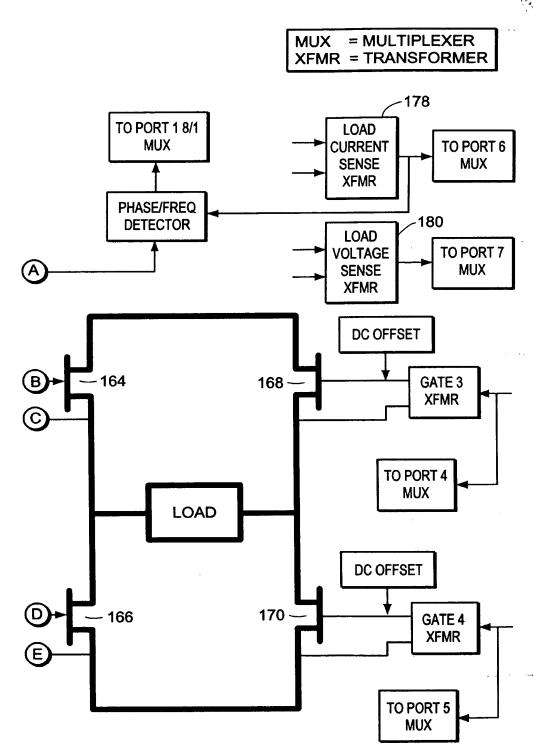


FIG. 8B

Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 10 of 19 Jamie H. Rose (617) 248-7376 10/19 L3 4 H 전 **4** LOAD 260 5513 L C2 1.73n RSN 250 -220 221—H M3 <u>7</u>₹ FULL BRIDGE PARALLEL RESONANT CONVERTER FIG. 9 2+4-2 223 M1 ZI JII -240 MOSFET DRIVERS PLL 230~ VARIABLE DC SOURCE 50-240 VDC

Network" by Goodman et al.

"RF Power Supply With Integrated Matching

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 11 of 19

Jamie H. Rose (617) 248-7376

11/19

Test and

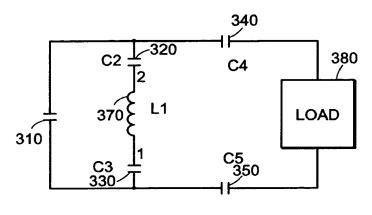


FIG. 10

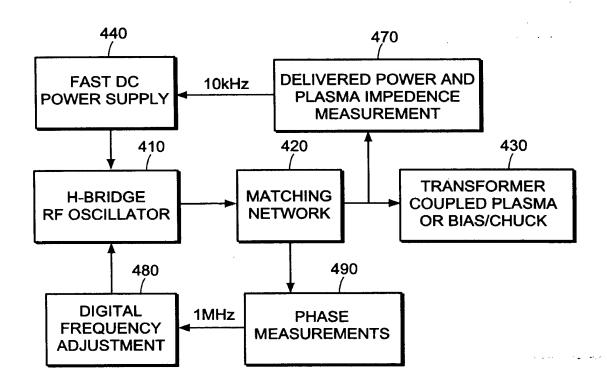
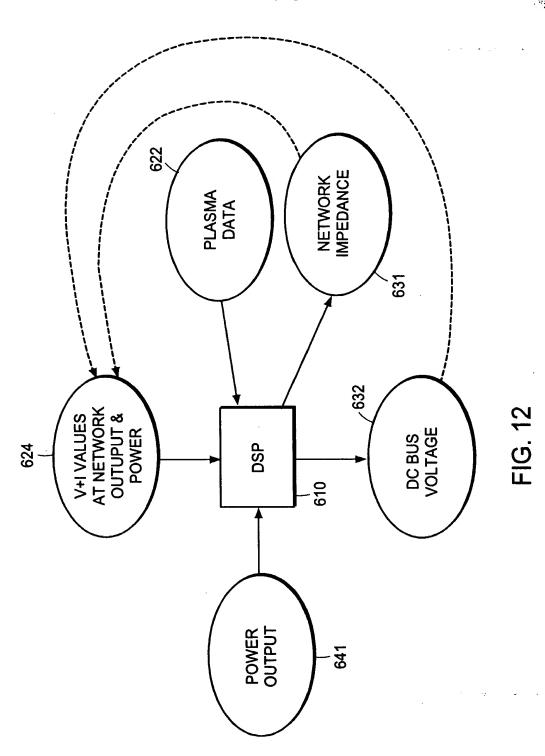


FIG. 11

Network" by Goodman et al.
Serial No.: 09/960,227
Atty Docket No.: ASX-055
Sheet 12 of 19
Jamie H. Rose (617) 248-7376

12/19



Network" by Goodman et al. Serial No.: 09/960,227

Atty Docket No.: ASX-055 Sheet 13 of 19

Jamie H. Rose (617) 248-7376

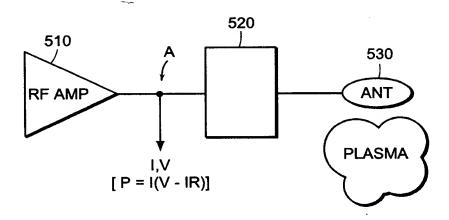


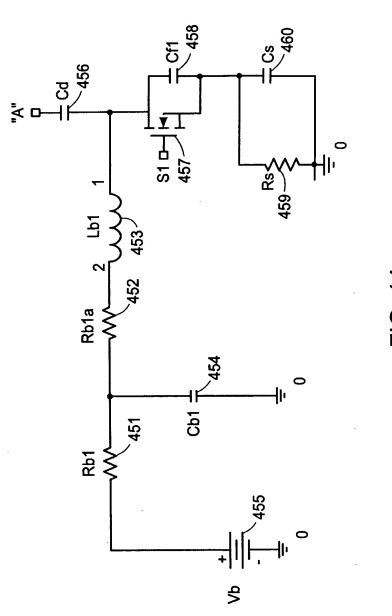
FIG. 13A

Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 14 of 19 Jamie H. Rose (617) 248-7376 SHEATH PLASMA 485 CHUCK LOAD MATCH C0 435/ **CSERIES** CONTROLLABLE VARIABLE CAPACITANCE 430 LSERIES **LSHUNT CDRAIN** -433 434 FET ON/OFF DATE +250V BIAS **AMPLIFIER**

"RF Power Supply With Integrated Matching Network" by Goodman et al.

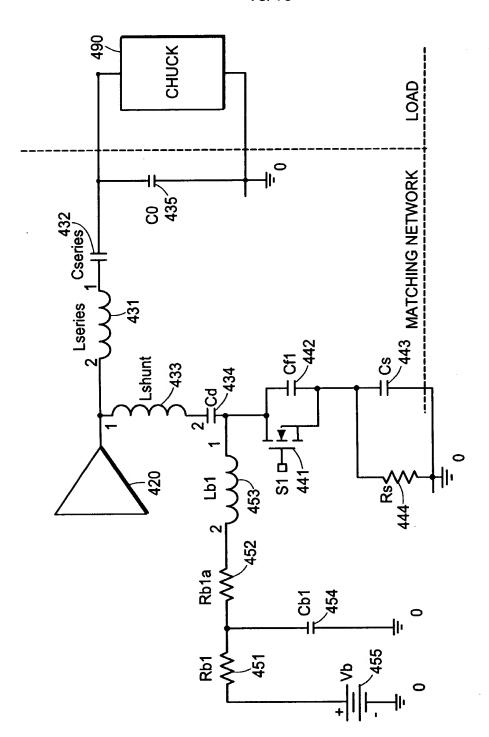
"RF Power Supply With Integrated Matching Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 15 of 19 Jamie H. Rose (617) 248-7376

15/19



Network" by Goodman et al.
Serial No.: 09/960,227
Atty Docket No.: ASX-055
Sheet 16 of 19
Jamie H. Rose (617) 248-7376

16/19



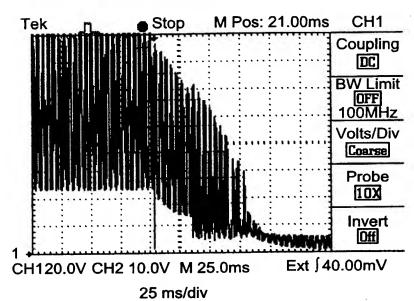
"RF Power Supply with integrated Matching

Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055

Sheet 17 of 19

Jamie H. Rose (617) 248-7376

17/19



FET Turn-on

FIG. 16A

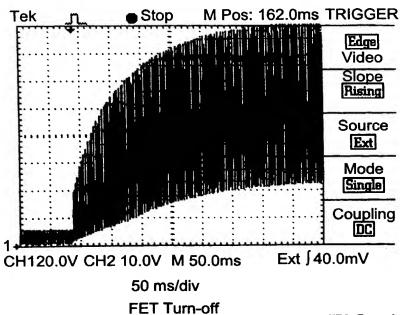


FIG. 16B

"RF Power Supply With Integrated Matching Network" by Goodman et al. Serial No.: 09/960,227 Atty Docket No.: ASX-055 Sheet 18 of 19 Jamie H. Rose (617) 248-7376

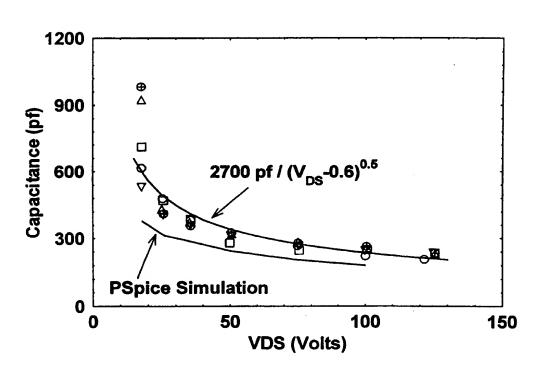


FIG. 17